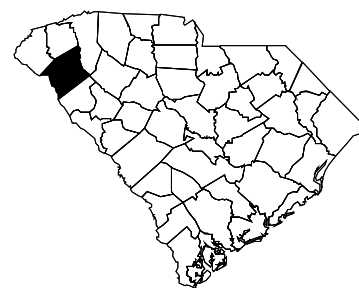


IMPACT OF CHRONIC CONDITIONS ANDERSON County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Anderson county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (37%) of the population in Anderson county are between the ages of 18-44. Anderson county has a higher percentage of people age 45-64 (26%) than the state (25%). There are more females (52%) than males (48%). Anderson county has a lower minority population (18%) than the state (31%). When adults in DHEC's Region 1, which includes Anderson County, were asked about their general health status, 79.3% reported having excellent, very good, or good health in 2005 (SC was 82%).

	ANDERSON COUNTY	STATE
Population size	175,514	4,255,083
Age distribution (%)		
<18	24	24
18-44	37	38
45-64	26	25
65-84	12	11
85+	2	2
Race (%)		
White	82	69
Black & Other	18	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Anderson County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	22	22
Sedentary lifestyle	22	26
Overweight	70	65
High Cholesterol	42	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	30.8	.	.	.	.	31.7
Number of hospitalizations	211	103	108	103	108	5,032
Crude rate of hospitalizations (per 100,000)	120	326	75	122	119	118
Median age of hospitalized patients	57	52	62	52	62	57
Total cost of hospitalization (\$)	5,030,300	2,374,800	2,655,500	2,354,800	2,675,500	109,400,500
Average length of hospital stay (days)	4	4	5	4	5	5
Number of ED visits	314	137	177	138	176	7,466
Crude rate of ED visits (per 100,000)	179	433	123	163	194	175
Median age of ED patients	52	47	57	47	57	52
Total cost of ED visits (\$)	610,500	198,200	412,300	263,800	346,700	9,929,000
Number of deaths**	17	5	13	7	10	423
Age-Adjusted Death rate (per 100,000)**	10	20	8	10	8	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	2,788	432	2,356	1,555	1,233	60,901
Crude rate of hospitalizations (per 100,000)	1,588	1,366	1,637	1,835	1,359	1,431
Median age of hospitalized patients	67	62	67	67	72	67
Total cost of hospitalization (\$)	145,370,500	18,852,900	126,517,600	88,010,800	57,359,700	2,286,836,400
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	655	139	516	303	352	12,989
Crude rate of ED visits (per 100,000)	373	439	359	358	388	305
Median age of ED patients	67	62	67	62	72	62
Total cost of ED visits (\$)	3,058,000	569,100	2,488,900	1,474,400	1,583,600	42,115,900
Number of deaths**	444	69	374	260	184	9,328
Age-Adjusted Death rate (per 100,000)**	234	281	228	351	156	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	548	106	442	279	269	13,925
Crude rate of hospitalizations (per 100,000)	312	335	307	329	296	327
Median age of hospitalized patients	72	67	72	72	72	72
Total cost of hospitalization (\$)	17,779,900	3,885,500	13,894,400	9,326,600	8,453,300	384,441,600
Average length of hospital stay (days)	6	7	5	5	6	6
Number of ED visits	109	19	90	66	43	2,515
Crude rate of ED visits (per 100,000)	62	60	63	78	47	59
Median age of ED patients	72	72	72	72	77	67
Total cost of ED visits (\$)	600,300	122,400	477,900	360,200	240,100	9,113,000
Number of deaths**	100	9	92	37	63	2,440
Age-Adjusted Death rate (per 100,000)**	54	38	57	57	52	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	717	136	581	335	382	15,753
Crude rate of hospitalizations (per 100,000)	409	430	404	395	421	370
Median age of hospitalized patients	62	47	62	62	60	62
Total cost of hospitalization (\$)	14,948,800	2,003,200	12,945,600	7,276,400	7,672,400	268,425,300
Average length of hospital stay (days)	5	3	5	5	5	5
Number of ED visits	1,386	446	939	592	794	36,543
Crude rate of ED visits (per 100,000)	790	1,410	653	698	875	859
Median age of ED patients	42	32	42	42	42	37
Total cost of ED visits (\$)	1,863,000	517,200	1,345,800	867,400	995,600	40,613,700
Number of deaths**	103	11	92	52	51	1,968
Age-Adjusted Death rate (per 100,000)**	53	47	54	69	44	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.1	.	.	.	.	10.3
Number of hospitalizations	362	111	251	190	172	9,027
Crude rate of hospitalizations (per 100,000)	206	351	174	224	190	212
Median age of hospitalized patients	57	52	57	52	60	52
Total cost of hospitalization (\$)	8,020,400	2,261,200	5,759,200	4,340,700	3,679,700	179,747,700
Average length of hospital stay (days)	5	5	5	5	5	6
Number of ED visits	466	151	314	208	258	9,603
Crude rate of ED visits (per 100,000)	266	477	218	245	284	226
Median age of ED patients	52	52	57	47	57	52
Total cost of ED visits (\$)	724,200	221,600	502,600	368,400	355,800	13,447,300
Number of deaths**	61	16	45	31	30	1,183
Age-Adjusted Death rate (per 100,000)**	31	61	27	43	27	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	803	126	677	372	431	16,389
Crude rate of hospitalizations (per 100,000)	458	398	471	439	475	385
Median age of hospitalized patients	67	57	67	65	67	62
Total cost of hospitalization (\$)	36,476,200	5,222,500	31,253,700	17,438,700	19,037,500	664,309,500
Average length of hospital stay (days)	8	8	8	8	7	8
Number of deaths**	446	67	379	237	209	8,617
Age-Adjusted Death rate (per 100,000)**	230	266	225	312	187	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	103	19	84	44	59	2,070
Crude rate of hospitalizations (per 100,000)	59	60	58	52	65	49
Median age of hospitalized patients	72	62	72	70	72	67
Total cost of hospitalization (\$)	5,563,800	1,055,400	4,508,400	2,420,100	3,143,700	101,377,700
Average length of hospital stay (days)	9	10	9	9	10	10
Number of deaths**	47	7	40	20	27	812
Age-Adjusted Death rate (per 100,000)**	25	30	24	26	24	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	66	5	61	-	66	1,228
Crude rate of hospitalizations (per 100,000)	73	31	82	.	81	56
Median age of hospitalized patients	67	52	67	-	67	62
Total cost of hospitalization (\$)	1,217,100	66,600	1,150,500	-	1,217,100	26,163,000
Average length of hospital stay (days)	2	1	2	-	2	3
Number of deaths**	28	1	27	-	28	651
Age-Adjusted Death rate (per 100,000)**	25	6	28	-	25	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	2	4	-	6	192
Crude rate of hospitalizations (per 100,000)	7	12	5	-	7	9
Median age of hospitalized patients	50	57	50	-	50	47
Total cost of hospitalization (\$)	149,100	70,900	78,200	-	149,100	4,668,500
Average length of hospital stay (days)	4	5	4	-	4	4
Number of deaths**	3	2	1	-	3	63
Age-Adjusted Death rate (per 100,000)**	3	12	1	-	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	119	16	103	69	50	2,181
Crude rate of hospitalizations (per 100,000)	68	51	72	81	55	51
Median age of hospitalized patients	67	62	67	67	62	67
Total cost of hospitalization (\$)	6,606,300	755,000	5,851,300	3,513,900	3,092,400	92,775,300
Average length of hospital stay (days)	9	9	9	9	9	9
Number of deaths**	137	13	124	90	47	2,703
Age-Adjusted Death rate (per 100,000)**	70	52	72	115	42	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	53	16	37	53	-	1,209
Crude rate of hospitalizations (per 100,000)	63	105	53	43	-	58
Median age of hospitalized patients	62	57	62	62	-	62
Total cost of hospitalization (\$)	1,257,800	358,800	899,000	1,257,800	-	30,356,600
Average length of hospital stay (days)	4	4	3	4	-	4
Number of deaths**	29	9	20	29	-	460
Age-Adjusted Death rate (per 100,000)**	48	112	39	48	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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